CLAIMS

What is claimed is:

1   1.   A web-based generator testing and monitoring system, comprising:

2   monitoring logic operable monitor at least one AC output signal

3   associated with an AC plant;

4   a web server coupled to the monitoring logic and to a network, the web

5   server being operable to retrieve said at least one AC output signal, and to send a

6   coded web page to display said at least one AC output signal to a user in a graphical

7   format.

1   2.   The system of claim 1, wherein the monitoring logic is further operable

2   to monitor at least one fuel signal associated with a fuel monitor coupled to the AC

3   plant, and the web server is operable to retrieve said at least one fuel signal, and to

4   send a coded web page to display said at least one fuel signal to the user in the

5   graphical format.

1   3.   The system of claim 2, wherein the monitoring logic is further operable

2   to monitor at least one DC output signal associated with a DC plant, and the web

3   server is operable to retrieve said at least one DC output signal, and to send a coded

4   web page to display said at least one DC output signal to the user in the graphical

5   format.

1   4.   The system of claim 3, wherein the monitoring logic is coupled to the

2   DC plant via a data gathering unit.

1   5.   The system of claim 4, wherein the coupling between the monitoring

2   logic and the data gathering unit is a network.

1   6.   The system of claim 3, further comprising:

2   storage logic coupled to the web server, the storage logic being

3   operable to store at least one AC boundary point associated with the AC plant, at least

4   one fuel boundary point associated with the fuel monitor, and at least one DC

5   boundary point associated with the DC plant, wherein each of said at least one AC,

6   fuel, and DC boundary points are provided to the user via the web server.

1   7.   The method of claim 6, further comprising:

2   alarm logic coupled to the monitoring logic and the storage logic, the

3   alarm logic being operable to compare said at least one AC output signal with said at

4   least one AC boundary point, said at least one fuel signal with said at least one fuel

5   boundary point, and said at least one DC output signal with said at least one DC

6   boundary point, and notify the user via the web server responsive to any of the signals

7   being outside of their respective boundary points.

1   8.   The system of claim 1, wherein the user accesses the information using

2   a remote computer with a browser client via the network.

1   9.   The system of claim 1, further comprising:

2   test logic coupled to the web server, operable to provide the user with a

3   remote interface to a house service panel at a site associated with the AC plant.

1   10.   The system of claim 9, wherein the web server is operable to receive

2   an input from the user and instruct the test logic to simulate a commercial power

3   failure at the house service panel responsive to the input from the user.

1   11.   The system of claim 10, wherein the house service panel is operable to

2   turn on the AC plant, and switch from a commercial power source to a backup power

3   source generated by the AC plant responsive to the commercial power failure.

1   12.   The system of claim 10, wherein the web server is operable to receive

2   an engine stop request from the user and instruct the test logic to stop the AC plant.

1   13.   A method for web-based remote generator testing and monitoring, the

2   method comprising the steps of:

3   monitoring at least one AC output signal associated with an AC plant;

4   generating a graphically coded web page including said at least one

5   AC output signal associated with the AC plant; and

6   sending the coded web page to a user via a first network.

1   14.   The method of claim 13, further comprising:

2   monitoring at least one fuel signal associated with a fuel monitor

3   coupled to the AC plant; and

4   generating the graphically coded web page including said at least one

5   fuel signal associated with the AC plant.

1   15.   The method of claim 14, further comprising:

2   monitoring at least one DC output signal associated with a DC plant;

3   and

4   generating the graphically coded web page including said at least one

5   DC signal associated with the DC plant.

1   16.   The method of claim 15, further comprising:

2   providing a data gathering unit to monitor the DC plant.

1   17.   The method of claim 16, further comprising:

2   providing a second network to communicate said at least one AC

3   output signal, said at least one fuel signal, and said at least one DC output signal to

4   the user.

1   18.   The method of claim 15, further comprising:

2   storing at least one AC boundary point associated with the AC plant, at

3   least one fuel boundary point associated with the fuel monitor, and at least one DC

4   boundary point associated with the DC plant; and

5   generating the graphically coded web page including each of said at

6   least one AC, fuel, and DC boundary points.

1   19.   The method of claim 18, further comprising:

2   comparing said at least one AC output signal with said at least one AC

3   boundary point, said at least one fuel signal with said at least one fuel boundary point,

4   and said at least one DC output signal with said at least one DC boundary point; and

5   generating the graphically coded web page including an alarm

6   responsive to any of the signals being outside of their respective boundary points.

1   20.   The method of claim 13, further comprising:

2   providing access to the information for a user having a remote

3   computer with a browser client connected to the first network.

1   21.   The method of claim 13, further comprising:

2   providing a remote interface to the user to test logic which is operable

3 to control a house service panel associated with the AC plant.

1   22.   The method of claim 21, further comprising:

2   receiving an input from the user requesting to simulate a commercial

3 power failure; and

4   instructing the test logic to simulate the commercial power failure

5 responsive to receiving the request from the user to simulate the commercial power

6 failure.

1   23.   The method of claim 22, wherein the house service panel is operable to

2 turn on the AC plant, and switch from a commercial power source to a backup power

3 source generated by the AC plant responsive to the commercial power failure.

1   24.   The method of claim 22, further comprising:

2   receiving an engine stop request from the user; and

3   instructing the test logic to stop the AC plant.

1   25.   A computer readable medium having a program for web-based remote

2   generator testing and monitoring, the program comprising the steps of:

3   monitoring at least one AC output signal associated with an AC plant;

4   generating a graphically coded web page including said at least one

5   AC output signal associated with the AC plant; and

6   sending the coded web page to a user via a first network.

1   26.   The program of claim 25, further comprising:

2   monitoring at least one fuel signal associated with a fuel monitor

3   coupled to the AC plant; and

4   generating the graphically coded web page including said at least one

5   fuel signal associated with the AC plant.

1   27.   The program of claim 26, further comprising:

2   monitoring at least one DC output signal associated with a DC plant;

3   and

4   generating the graphically coded web page including said at least one

5   DC signal associated with the DC plant.

1   28.   The program of claim 27, further comprising:

2   providing a data gathering unit to monitor the DC plant.

1   29.   The program of claim 28, further comprising:

2   providing a second network to communicate said at least one AC

3   output signal, said at least one fuel signal, and said at least one DC output signal to

4   the user.

1   30.   The program of claim 25, further comprising:

2   storing at least one AC boundary point associated with the AC plant, at

3   least one fuel boundary point associated with the fuel monitor, and at least one DC

4   boundary point associated with the DC plant; and

5   generating the graphically coded web page including each of said at

6   least one AC, fuel, and DC boundary points.

1   31.   The program of claim 30, further comprising:

2   comparing said at least one AC output signal with said at least one AC

3   boundary point, said at least one fuel signal with said at least one fuel boundary point,

4   and said at least one DC output signal with said at least one DC boundary point; and

5   generating the graphically coded web page including an alarm

6   responsive to any of the signals being outside of their respective boundary points.

1   32.   The program of claim 25, further comprising:

2   providing access to the information for a user having a remote

3   computer with a browser client connected to the first network.

1   33.   The program of claim 25, further comprising:

2   providing a remote interface to the user to test logic which is operable

3   to control a house service panel associated with the AC plant.

1   34.   The program of claim 33, further comprising:

2   receiving an input from the user requesting to simulate a commercial

3   power failure; and

4   instructing the test logic to simulate the commercial power failure

5   responsive to receiving the request from the user to simulate the commercial power

6   failure.

1   35.   The program of claim 34; wherein the house service panel is operable

2   to turn on the AC plant, and switch from a commercial power source to a backup

3   power source generated by the AC plant responsive to the commercial power failure.

1   36.   The method of claim 34, further comprising:

2   receiving an engine stop request from the user; and

3   instructing the test logic to stop the AC plant.